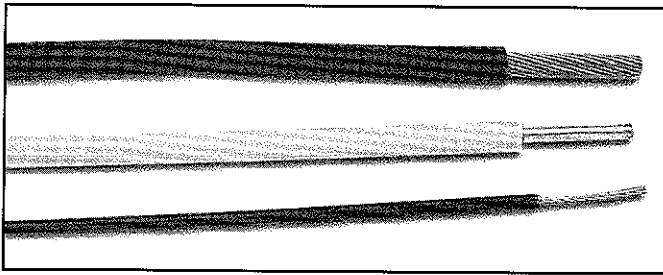


# UL 1212, 1213, CSA 150V wire—extruded PTFE insulation (low voltage)



**UL 1212, 1213, CSA 150V** wires have thin-wall extruded PTFE (Polytetrafluoroethylene) insulation for weight and space savings. The very thin wall insulation of these wires restricts their usage to low-voltage applications.

**Performance:**

**Voltage rating:** Not specified by UL; 150 V for CSA.

**Temperature rating:** UL 1212: 80° C;  
UL 1213: 150° C;  
CSA: 200° C.

**Construction Details**

**Insulation:** Extruded PTFE, .008" (.20 mm) wall thickness.

**Conductor:** Silver-plated copper.

**Colors:** Available in 10 standard colors (see page 92).

**Identification:** Surface printed as required by UL or CSA.

**Options:** Nickel-plated copper conductor; silver or nickel-plated high-strength copper alloy conductor

**Ordering Information:** Specify Thermax part number, UL style, and color.

Thermax part numbers shown below meet specifications for both UL 1212 and 1213 styles.

For optional nickel-plated copper conductor, change **TE** in Thermax part number to **TEN**.

**Dimensions, Weights, and Resistance—UL 1212, 1213 wires**

AWG Size	Stranding	Conductor Diameter	Insulation Diameter	Weight	Maximum Resistance	Thermax P/N
16	19/29	.053 (1.35)	.077 (1.96)	9.65 (14.4)	4.52 (14.8)	16-TE-1929-UL/CSA
16	19/.0117	.056 (1.42)	.076 (1.93)	10.0 (14.9)	4.52 (14.8)	16-TE-19/0117-UL/CSA
18	19/30	.047 (1.19)	.068 (1.73)	7.50 (11.2)	5.79 (19.0)	18-TE-1930-UL/CSA
18	7/26	.048 (1.22)	.068 (1.73)	7.50 (11.2)	6.01 (19.7)	18-TE-726-UL/CSA
20	19/32	.038 (.965)	.058 (1.47)	5.15 (7.66)	8.87 (29.1)	20-TE-1932-UL/CSA
20	7/28	.038 (.965)	.058 (1.47)	5.05 (7.52)	9.56 (31.4)	20-TE-728-UL/CSA
20	SOLID	.032 (.813)	.054 (1.37)	4.89 (7.28)	10.1 (33.1)	20-TE-120-UL/CSA
22	19/34	.030 (.762)	.050 (1.27)	3.51 (5.22)	14.8 (48.5)	22-TE-1934-UL/CSA
22	7/30	.030 (.762)	.050 (1.27)	3.47 (5.16)	15.2 (49.9)	22-TE-730-UL/CSA
22	SOLID	.025 (.635)	.046 (1.17)	3.06 (4.55)	16.5 (54.1)	22-TE-122-UL/CSA
24	19/36	.024 (.610)	.043 (1.09)	2.41 (3.59)	23.6 (77.4)	24-TE-1936-UL/CSA
24	7/32	.024 (.610)	.043 (1.09)	2.41 (3.59)	23.9 (78.4)	24-TE-732-UL/CSA
24	SOLID	.020 (.508)	.040 (1.02)	2.12 (3.15)	25.7 (84.3)	24-TE-124-UL/CSA
26	19/38	.019 (.483)	.038 (.965)	1.74 (2.59)	37.3 (122)	26-TE-1938-UL/CSA
26	7/34	.019 (.483)	.038 (.965)	1.71 (2.54)	38.7 (127)	26-TE-734-UL/CSA
26	SOLID	.016 (.406)	.035 (.889)	1.49 (2.22)	41.0 (134)	26-TE-126-UL/CSA
28	19/40	.015 (.381)	.035 (.889)	1.32 (1.96)	63.1 (207)	28-TE-1940-UL/CSA
28	7/36	.015 (.381)	.035 (.889)	1.32 (1.96)	62.0 (203)	28-TE-736-UL/CSA
28	SOLID	.013 (.330)	.032 (.813)	1.13 (1.68)	65.3 (214)	28-TE-128-UL/CSA
30	19/42	.012 (.305)	.032 (.813)	1.03 (1.53)	96.1 (315)	30-TE-1942-UL/CSA
30	7/38	.012 (.305)	.032 (.813)	1.02 (1.52)	97.5 (320)	30-TE-738-UL/CSA
30	SOLID	.010 (.254)	.029 (.737)	.862 (1.28)	104 (341)	30-TE-130-UL/CSA
32	19/44	.010 (.254)	.029 (.737)	.801 (1.19)	153 (502)	32-TE-1944-UL/CSA
32	7/40	.009 (.229)	.029 (.737)	.784 (1.17)	166 (544)	32-TE-740-UL/CSA
32	SOLID	.008 (.203)	.027 (.686)	.692 (1.03)	162 (531)	32-TE-132-UL/CSA
34	7/42	.008 (.191)	.028 (.711)	.671 (1.00)	258 (846)	34-TE-742-UL/CSA
36	7/44	.006 (.152)	.025 (.635)	.518 (.771)	412 (1351)	36-TE-744-UL/CSA

Dimensions in inches (mm). Weights in pounds/1000 feet (Kg/1000 M). Resistance in Ω/1,000 ft (Ω/Km), @20° C. All values are nominal unless otherwise indicated.